

|   |  |                                 |                                      |                          |  |
|---|--|---------------------------------|--------------------------------------|--------------------------|--|
| Form PTO 1449<br>Rev. 7-80  | U.S. Department of Commerce<br>Patent and Trademark Office |                                 | Atty. Docket No.<br>PO8734/BTS054034 | Serial No.<br>10/565,909 |  |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use Several Sheets If Necessary) |  | Applicant<br>Markus Haiml et al |                                      |                          |  |
|   |  | Filing Date<br>January 25, 2006 | Group No.<br>2877                    |                          |  |
| SEP 22 2006   | U.S. PATENT DOCUMENTS                                      |                                 |                                      |                          |  |

| EXAMINER<br>INITIAL<br>TRADEMARK | DOCUMENT NUMBER | DATE     | NAME   | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------------------|-----------------|----------|--|-------|----------|-------------------------------|
| /FLE/                            | AA **4,245,800  | 01/20/81 | Henderson  | 244   | 3.13     |                               |
|                                  | AB **5,034,613  | 07/23/91 | Denk et al   | 250   | 458.1    |                               |
|                                  | AC 5,445,934    | 08/29/95 | Fodor et al  | 435   | 6        |                               |
|                                  | AD **5,459,574  | 10/17/95 | Lee et al  | 356   | 437      |                               |
|                                  | AE 5,742,355    | 04/21/98 | (Bel to corresp. to WO 96/15625)<br>De Haan et al    | 348   | 607      |                               |
|                                  | AF 5,822,472    | 10/13/98 | (Bel to corresp. to WO 95/23198)<br>Danielzik et al  | 385   | 12       |                               |
|                                  | AG 5,959,292    | 09/28/99 | (Bel to corresp. to WO 96/00400)<br>Duvaneck et al   | 250   | 227.11   |                               |
|                                  | AH 6,078,705    | 06/20/00 | (Bel to corresp. to WO 96/05940)<br>Neuschäfer et al | 385   | 12       |                               |
|                                  | AI 6,122,016    | 09/19/00 | (Bel to corresp. to WO 96/15625)<br>De Haan et al    | 348   | 620      |                               |
|                                  | AJ 6,198,869 B1 | 03/06/01 | (Bel to corresp. to WO 98/22799)<br>Kraus et al      | 385   | 129      |                               |
| /FLE/                            | AK 6,289,144 B1 | 09/11/01 | (Bel to corresp. to WO 96/35940)<br>Neuschäfer et al | 385   | 12       |                               |

## FOREIGN PATENT DOCUMENTS

|       |    | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |     |
|-------|----|-----------------|----------|---------|-------|----------|-------------|-----|
|       |    |                 |          |         |       |          | Yes         | No* |
| /FLE/ | AL | 95/33197 A1     | 12/07/95 | World   |       |          |             |     |
|       | AM | 01/13096 A1     | 02/22/01 | World   |       |          |             | X   |
|       | AN | 02/46756 A1     | 06/13/02 | World   |       |          |             | X   |
|       | AO | **00/71028      | 11/30/00 | World   |       |          |             |     |
| /FLE/ | AP | **02/054071     | 07/11/02 | World   |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|       |    |  |
|-------|----|--|
| /FLE/ | AR | Science, 248, April 6, 1990, pages 73-76, Winfried Denk et al, "Two-Photon Laser Scanning Fluorescence Microscopy"   |
|       | AS | Applied Physics, B, 73 (month unavailable) 1990, pages 869-871, G.L. Duvaneck et al, "Evanescence-field-induced two-photon fluorescence: excitation of macroscopic areas of planar waveguides" |
| /FLE/ | AT | Analytica Chimica Acta, 469, (month unavailable) 2002, pages 49-61, Gert L. Duvaneck et al, "Planar waveguides for ultra-high sensitivity of the analysis of nucleic acids"                    |

|   |               |                 |            |
|---|---------------|-----------------|------------|
| EXAMINER  | /F. L. Evans/ | DATE CONSIDERED | 09/28/2008 |
| EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. |               |                 |            |

\* Neither English Language Equivalent nor an English Language Translation is available.  
\*\* Copies of documents previously submitted by WIPO.

|                            |  |                                      |                          |
|----------------------------|--|--------------------------------------|--------------------------|
| Form PTO 1449<br>Rev. 7-80 | U.S. Department of Commerce<br>Patent and Trademark Office<br><b>LIST OF PRIOR ART CITED BY APPLICANT</b><br>(Use Several Sheets If Necessary) | Atty. Docket No.<br>PO8734/BTS054034 | Serial No.<br>10/565,909 |
|                            |  | Applicant<br>Markus Haiml et al      |                          |
|                            |  | Filing Date<br>January 25, 2006      | Group No.<br>2877        |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME   | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|--|-------|----------|----------------------------|
| /FLE/            | AA | 6,384,912 B2    | 05/07/02 | (Bel. to corresp. to WO 98/22799)<br>Kraus et al           | 356   | 246      |                            |
|                  | AB | 6,437,345 B1    | 08/20/02 | (Bel. to corresp. to WO 99/56900)<br>Bruno-Raimondi et al  | 250   | 458.1    |                            |
|                  | AC | 6,510,263 B1    | 01/21/03 | (Bel. to corresp. to WO 01/55691)<br>Maisenholder et al    | 385   | 37       |                            |
|                  | AD | 6,873,764 B2    | 03/29/05 | (Bel. to corresp. to WO 01/55691)<br>Maisenhoelder et al   | 385   | 37       |                            |
|                  | AE | 6,961,490 B2    | 11/01/05 | (Bel. to corresp. to WO 01/55691)<br>Maisenholder et al    | 385   | 37       |                            |
|                  | AF | 7,060,957 B2    | 06/13/06 | (Bel. to corresp. to WO 01/84182)<br>Lange et al           | 250   | 208.1    |                            |
|                  | AG | 2001/0001021 A1 | 05/10/01 | (Bel. to corresp. to WO 98/22799)<br>Kraus et al           | 385   | 12       |                            |
|                  | AH | 2002/0076154 A1 | 06/20/02 | (Bel. to corresp. to WO 01/55691)<br>Maisenhoelder et al   | 385   | 37       |                            |
|                  | AI | 2002/0182631 A1 | 12/05/02 | (Bel. to corresp. to WO 01/40875)<br>Schurmann-Mader et al | 435   | 6        |                            |
| ↓                | AJ | 2003/0091284 A1 | 05/15/03 | (Bel. to corresp. to WO 01/55691)<br>Maisenholder et al    | 385   | 37       |                            |
| /FLE/            | AK | 2003/0108291 A1 | 06/12/03 | (Bel. to corresp. to WO 01/79824)<br>Duvneck et al         | 385   | 37       |                            |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
|  |    |                 |      |         |       |          | Yes         | No* |
|  | AL |                 |      |         |       |          |             |     |
|  | AM |                 |      |         |       |          |             |     |
|  | AN |                 |      |         |       |          |             |     |
|  | AO |                 |      |         |       |          |             |     |
|  | AP |                 |      |         |       |          |             |     |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|       |    |  |
|-------|----|--|
| /FLE/ | AR | Peregrinus, 232, (month unavailable) 1983, pages 1-30, M.L. Meade, "Lock in amplifiers: principles<br>in applications"   |
| /FLE/ | AS | IEEE Journal of Quantum Electronics, Vol. 31, No. 9, September 1995, pages 1705-1708,<br>T. Spirig et al, "The Lock-In CCD-Tow-Dimensional Synchronous Detection of Light" |
| /FLE/ | AT | IEEE Transactions of Electron Devices, Vol. 44, No. 10, October 1997, pages 1643-1647,<br>Thomas Spirig et al, "The Multitap Lock-In CCD with Offset Subtraction"          |

|          |               |                 |            |
|----------|---------------|-----------------|------------|
| EXAMINER | /F. L. Evans/ | DATE CONSIDERED | 09/28/2008 |
|----------|---------------|-----------------|------------|

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Neither English Language Equivalent nor an English Language Translation is available.

\*\* Copies of documents previously submitted by WIPO.

|                             |  |                                      |                          |
|-----------------------------|--|--------------------------------------|--------------------------|
| Form PTO 1449<br>•Rev. 7-80 | U.S. Department of Commerce<br>Patent and Trademark Office<br><b>LIST OF PRIOR ART CITED BY APPLICANT</b><br>(Use Several Sheets If Necessary) | Atty. Docket No.<br>PO8734/BTS054034 | Serial No.<br>10/565,909 |
|                             |  | Applicant<br>Markus Haiml et al      |                          |
|                             |  | Filing Date<br>January 25, 2006      | Group No.<br>2877        |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME   | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|--|-------|----------|----------------------------|
| /FLE/            | AA | 2003/0148542 A1 | 08/07/03 | (Bel. to corresp. to WO 01/92679)<br>Pawlak et al    | 436   | 518      |                            |
|                  | AB | 2003/0186914 A1 | 10/02/03 | (Bel. to corresp. to WO 02/20873)<br>Hofer et al     | 514   | 44       |                            |
|                  | AC | 2004/0008394 A1 | 01/15/04 | (Bel. to corresp. to WO 04/04182)<br>Lange et al     | 359   | 237      |                            |
|                  | AD | 2004/0038386 A1 | 02/26/04 | (Bel. to corresp. to WO 04/21148)<br>Zesch et al     | 435   | 287.2    |                            |
| ↓                | AE | 2004/0052489 A1 | 03/18/04 | (Bel. to corresp. to WO 04/279785)<br>Duvaneck et al | 385   | 130      |                            |
| /FLE/            | AF | 2004/0058385 A1 | 03/25/04 | (Bel. to corresp. to WO 04/40556)<br>Abel et al      | 435   | 7.1      |                            |
|                  | AG |                 |          |  |       |          |                            |
|                  | AH |                 |          |  |       |          |                            |
|                  | AI |                 |          |  |       |          |                            |
|                  | AJ |                 |          |  |       |          |                            |
|                  | AK |                 |          |  |       |          |                            |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
|  |    |                 |      |         |       |          | Yes         | No* |
|  | AL |                 |      |         |       |          |             |     |
|  | AM |                 |      |         |       |          |             |     |
|  | AN |                 |      |         |       |          |             |     |
|  | AO |                 |      |         |       |          |             |     |
|  | AP |                 |      |         |       |          |             |     |

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

|       |    |  |
|-------|----|--|
| /FLE/ | AR | J. Opt. Soc. Am. A, Vol. 18, No. 8, August 2001, pages 1972-1979, Arnaud Dubois, "Phase-map measurements by interferometry with sinusoidal phase modulation and four integrating buckets"  |
| /FLE/ | AS | Applied Optics, Vol. 41, No. 4, February 2002, pages 805-812, Arnaud Dubois et al.<br>**"High-resolution full-field optical coherence tomography with a Linnik microscope"   |
| /FLE/ | AT | Barry N P et al: "Applications of ultrafast lasers to two-photon fluorescence and lifetime imaging"<br>Proceedings of the Spie – The International Society for Optical Engineering Spie-Int. Soc. Opt. Eng. USA, Bd. 4633, 23 Januar 2002 (2002-01-23) Seiten 50-61, XP001203516 |

EXAMINER

/F. L. Evans/

DATE CONSIDERED

09/28/2008

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

- \* Neither English Language Equivalent nor an English Language Translation is available.
- \*\* Copies of documents previously submitted by WIPO.